



Safety & Buildings Division
201 West Washington Ave.
P.O. Box 2658
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Approval #

201102-I
FN 20119002

Wisconsin Building Product Evaluation

Material

ICYNENE MD-R-200™
SPRAY-APPLIED FOAM PLASTIC INSULATION

Manufacturer

ICYNENE, INC.
6747 CAMPOBELLO ROAD
MISSISSAUGA, ONTARIO L5N 2L7

SCOPE OF EVALUATION

Icynene MD-R-200™ Spray-Applied Foam Plastic Insulation has been evaluated against the current **Wisconsin Commercial Building Code (WCBC)** including both the 2006 and 2009 editions of the International Building Code (IBC) and International Energy Conservation Code. The material was also evaluated against the current **Wisconsin Uniform Dwelling Code (UDC)**.

The following properties were evaluated:

- Surface burning characteristics
- Physical Properties
- Thermal performance (R-values)
- Air permeability

DESCRIPTION AND USE

Icynene MD-R-200™ is a medium-density, open-cell, polyurethane foam plastic insulation and air barrier system that is 100 percent water-blown with an installed nominal density of 2.0 pcf.

Icynene MD-R-200™ is used to provide thermal insulation in buildings and to seal areas such as plumbing and wiring penetrations against air infiltration in buildings of Type III and V construction of the **Wisconsin Commercial Building Code (WCBC)** and dwellings under the **Wisconsin Uniform Dwelling Code (UDC)**.

REPORTS AND RESULTS

Data was submitted to ICC-ES as outlined in the ICC-ES Evaluation Report ESR 3005. Also submitted was the Icynene Technical Data Sheet for Icynene MD-R-200™.

Refer to the ICC-ES Evaluation Report ESR 3005 for results.

WISCONSIN COMMERCIAL BUILDING CODE (WCBC)

Use the ICC-ES Evaluation Report ESR-3005 Reissued April 1, 2011, for Evaluation Scope, Uses, Description, Design & Installation, Conditions of Use, Evidence Submitted and Identification of this product. The ICC evaluation report can be viewed at:

http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-3005.pdf

WISCONSIN UNIFORM DWELLING CODE (UDC)

Use the ICC-ES Evaluation Report ESR-3005 Reissued April 1, 2011, for Evaluation Scope, Uses, Description, Design & Installation, Conditions of Use, Evidence Submitted and Identification of this product. The 2006 and 2009 International Residential Code (IRC) provisions referenced in the evaluation report are similar in scope and application to requirements under the **Wisconsin Uniform Dwelling Code (UDC)**. The ICC evaluation report can be viewed at:

http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-3005.pdf

ADDITIONAL LIMITATIONS OF APPROVAL – WISCONSIN COMMERCIAL BUILDING CODE (WCBC)

The Wisconsin Building Product Evaluation Number must be provided when plans that include this product are submitted for review.

ADDITIONAL LIMITATIONS OF APPROVAL – UNIFORM DWELLING CODE (UDC)

The material shall be provided with a thermal barrier in accordance with the requirements in **Comm 21.11(1)(b)** of the current **Wisconsin Uniform Dwelling Code (UDC)**.

The Wisconsin Building Product Evaluation Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is not endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive or modify any code requirement not specified in this document.

EXPIRATION

This approval will be valid through December 31, 2016, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department.

Reviewed by: JBS

Approval Date: August 9, 2011

By James B. Smith, P.E.
: Program Manager
Bureau of Program Development